| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 20 | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.600x600x3mm Copper plate | | | | | | |
| | Each Panel Board 2 Nos x6 Panels = 12 Nos | 12 | | | | 12.00 | |
| | | | | | **Present Qty** | **12.00** | **Nos** |
| | | | | | **Upto 125%** | **10.00** | **Nos** |
| | | | | | **Above 125%** | **2.00** | **Nos** |

29/3/24

For M/s SURAKSHA ELECTRICALS

Proprietor

ARPTN ASSOCIATES Authorised Signatory

Contractor Consultant

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 21 | Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat … with bolts, washers etc.,and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm | | | | | | |
| | Each Panel Board 6.2 Mtrs x 6 Panels = 37.2 Mtrs | 1 | 37.20 | | | 37.20 | |
| | | | | | **Present Qty** | **37.20** | **Mtrs** |

For M/s SUBAMSH ELECTRICALS

Proprietor

Contractor Consultant

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 22 | Fabricating supplying and mounting MS box made out SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete16SWG | | | | | | |
| | L100 Cms x H 110 Cms x3 faces = 33000 Sqcms | 1 | 33000.00 | | | | |
| | L 100 Cms x W 50 Cms x 2 Faces =10000 Sq Cms | 1 | 10000.00 | | | | |
| | L 110 Cms x W 50 Cms x 2 Faces =11000 Sq Cms | 1 | 11000.00 | | | | |
| | Total 6 Panels | 6 | 54000.00 | | | 324000.00 | |
| | Pole Bottom Covering 90+36+90+36x9 Cms x 87 Poles = 197316 Sqcms | 1 | 197316.00 | | | 197316.00 | |
| | | | | | **Present Qty** | **521316.00** | **Sqmm** |

For M/s SURAKSHA ELECTRICAL

Contractor Consultant
Proprietor

Assistant Engineer

Asst. Executive Engineer,

**Name of Work: Providing and Fixing LED Lights at Yelahanka Division.**

Date of Measurement :

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 23 | Supplying and fixing Moulded Case Circuit Breaker (MCCB)over the existing wood/panel board using necessary screws,bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. ( Icu = Ics)100Amps 25kA. | | | | | | |
| | 1 No x 6 Panel Boards | 6 | | | | 6.00 | |
| | | | | | **Present Qty** | **6.00** | **Nos** |

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 24 | Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires. | | | | | | |
| | | 208 | | | | 208.00 | |
| | | | | | **Present Qty** | **208.00** | **Nos** |

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor Consultant

AARUNA ASSOCIATES Authorised Signatory,

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 25 | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm Copper strip | | | | | | |
| | Pole Earthing 92 Poles x 2 Mtrs = 184 Mtrs | 1 | 184.00 | | | 184.00 | |
| | 6 Panel Boards x 2 Earthingsx 5 Mtrs= 60 Mtrs+ 1 Mtr | 1 | 61.00 | | | 61.00 | |
| | | | | | **Present Qty** | **245.00** | **Mtrs** |

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

AARTHI ASSOCIATES
Authorised Signatory

Consultant

Assistant Engineer

Asst. Executive Engineer,

**Name of Work: Providing and Fixing LED Lights at Yelahanka Division.**

Date of Measurement :

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 26 | Supplying & fixing of retrofit type - LED bulb.....W with OPAL acrylic diffuser comprising of LED source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt,life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%,Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by ABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition 18W, 6500K | | | | | | |
| | Allalssundra Flyover to Yes Bank ( Via Janapriya Appartment,Swimming pool,LBS Nagara and 80 Feet Road) | 86 | | | | 86.00 | |
| | Bellary Road Near Allalsandra flyover | 5 | | | | 5.00 | |
| | Allalssundra Lake compound From chikkabomasandra | 2 | | | | 2.00 | |
| | | | | | **Present Qty** | **93.00** | **Nos** |

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

For AARTH ASSOCIATES

Authorised Signatory,

Consultant

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 27 | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden panel using necessary nuts, bolts and washers.63Amps | | | | | | |
| | | 24 | | | | 24.00 | |
| | | | | | **Present Qty** | **24.00** | **Nos** |

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 28 | Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit ( Mother board ) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components. | | | | | | |
| | Panel Board Near Royal Archade Gate | 1 | | | | 1.00 | |
| | Opposite to Allalsandra Lake Gate Panel board | 1 | | | | 1.00 | |
| | Towards Chikkabhommasandra Corner | 1 | | | | 1.00 | |
| | LBS Nagara opp Temple Panal Board | 1 | | | | 1.00 | |
| | Cambridge School 80 feet Road Panel | 1 | | | | 1.00 | |
| | Opp to Blue Dart Courier Service 80Feet Road Panel Board | 1 | | | | 1.00 | |
| | | | | | **Present Qty** | **6.00** | **Nos** |

For M/s SURAKSHA ELECTRICALS

Contractor / Proprietor

Consultant

MARTIN ASSOCIATES Authorised Signatory

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: Providing and Fixing LED Lights at Yelahanka Division. | | | | | | | |
|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | |
| Detailed Measurements | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 29 | Laying of UG Cables by trenchless technology by adopting horizontal boring & Drawing of cable including preparation at site With HDPE Pipe i) Normal soil 5/6" bore size | | | | | | |
| | 80 Feet Road | | | | | | |
| | Near Yes Bank 25 Mtrs | 1 | 25.00 | | | 25.00 | |
| | Near House No 801 20 Mtrs | 1 | 24.00 | | | 24.00 | |
| | Near blue Dart Courrier 25 Mtrs | 1 | 26.00 | | | 26.00 | |
| | Near Prakyathi Party Hall 25 Mtrs | 1 | 26.00 | | | 26.00 | |
| | Near Hotel Namma Mane 25 Mtrs | 1 | 28.00 | | | 28.00 | |
| | Near East west College 30 Mtrs | 1 | 30.00 | | | 30.00 | |
| | Near agragami school 25 Mtrs | 1 | 25.00 | | | 25.00 | |
| | Mamtha hospetal 15 Mtrs | 1 | 17.00 | | | 17.00 | |
| | Near BWSSB Gate 25 Mtrs | 1 | 25.00 | | | 25.00 | |
| | Near LBS Temple BESCOM pole to Panel board 20 Mtrs | 1 | 22.00 | | | 22.00 | |
| | Near Water Plant 10 Mtrs | 1 | 14.00 | | | 14.00 | |
| | Near Lake gate - ii panel to pole 28 mtrs | 1 | 28.00 | | | 28.00 | |
| | Bellary Road BESCOM Pole to Pole 20 Mtrs | 1 | 23.00 | | | 23.00 | |
| | BESCOM Pole to Panel Board Near Royal Archade Gate 9 Mtrs | 1 | 14.00 | | | 14.00 | |
| | Royal Archade Gate in & out 29 Mtrs | 1 | 29.00 | | | 29.00 | |
| | | | | | **Present Qty** | **356.00** | **Mtrs** |
| | | | | | **Upto 125%** | **256.25** | **Mtrs** |
| | | | | | **Above 125%** | **99.75** | **Mtrs** |

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor Consultant

Assistant Engineer

Asst. Executive Engineer,

| Name of Work: **Providing and Fixing LED Lights at Yelahanka Division.** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Date of Measurement : | | | | | | | | | |
| Detailed Measurements | | | | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit | Rate | Amount |
| E4 | KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. | | | | | | | | |
| | **Road Cut Patch work** | | | | | | | | |
| | **Allansandra Lake Rd** | | | | | | | | |
| | **LHS** | | | | | | | | |
| | Ch:0.00m to 75.60m | 1 | 75.60 | 0.40 | 0.15 | 4.54 | | | |
| | **Centre** | | | | | | | | |
| | Ch:0.00m to 14.80m | 1 | 14.80 | 0.40 | 0.15 | 0.89 | | | |
| | **RHS** | | | | | | | | |
| | Ch:0.00m to 106.50m | 1 | 106.50 | 0.40 | 0.15 | 6.39 | | | |
| | **Chikbommansandra Rd** | | | | | | | | |
| | **LHS** | | | | | | | | |
| | Ch:0.00m to 30.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:30.00m to 60.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:60.00m to 90.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:90.00m to 120.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:120.00m to 150.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:150.00m to 180.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:180.00m to 210.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:210.00m to 240.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:240.00m to 270.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:270.00m to 300.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:300.00m to 330.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:330.00m to 360.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:360.00m to 390.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:390.00m to 420.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:420.00m to 450.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:450.00m to 480.00m | 1 | 30.00 | 0.40 | 0.15 | 1.80 | | | |
| | Ch:480.00m to 503.00m | 1 | 23.00 | 0.40 | 0.15 | 1.38 | | | |
| | | | | | **Present Qty** | **41.99** | **Cum** | **5704.16** | **239540.36** |

29/3/21

For M/s SURAKSHA ELECTRICALS

Proprietor

Contractor Consultant Assistant Engineer Asst. Executive Engineer,

29/3/21